We Claim:

1	1.	A method for classifying vertically partitioned data comprising the steps of:
2		categorizing subsets of classifiers for the partitioned data;
3		determining class labels for a data pattern of the partitioned data for
4		which the classifier subsets are consistent;
5		estimating posterior probabilities for the class labels of consistent
6		classifier subsets; and
7		approximating the posterior probability of the partitioned data based
8		upon the estimated posterior probabilities of the consistent classifier subsets.
1	2.	The method as claimed in claim 1, further comprising the step of using a
2		predetermined consistency condition for a classifier with respect to other
3		classifiers.
1	3.	The method as claimed in claim 1, further comprising the step of determining the
2		mutual consistency of each classifier with respect to the other classifiers in a
3		classifier subset.
1	4.	The method as claimed in claim 1, wherein the posterior probability is
2		approximated from the estimated posterior probabilities using a Bayesian
3		framework.
1	5.	The method as claimed in claim 1, wherein the class label is selected for the test
2		data for which the combined posterior is maximum.
1	6.	A computer program product for classifying partitioned data comprising
2		computer software recorded on a computer-readable medium for performing the
3		steps of:
4		categorizing subsets of classifiers for the partitioned data;
5		determining class labels for a data pattern of the partitioned data for
6		which the classifier subsets are consistent;

7		estimating posterior probabilities for the class labels of consistent
8		classifier subsets; and
9		approximating the posterior probability of the partitioned data based
10		upon the estimated posterior probabilities of the consistent classifier subsets.
1	7.	A computer system for classifying partitioned data comprising computer
2		software recorded on a computer-readable medium for performing the steps of:
3		categorizing subsets of classifiers for the partitioned data;
4		determining class labels for a data pattern of the partitioned data for
5		which the classifier subsets are consistent;
6		estimating posterior probabilities for the class labels of consistent
7		classifier subsets; and
8		approximating the posterior probability of the partitioned data based
9		upon the estimated posterior probabilities of the consistent classifier subsets.